

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| L2    | 1    | prevent same single<br>same node same<br>attempting same<br>handshake | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:46 |
| L3    | 3    | prevent same node<br>same attempting same<br>handshake                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:46 |
| L4    | 5    | excessive same join<br>and handshak\$9                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:48 |
| L5    | 4684 | excessive same join   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:49 |
| L6    | 11   | excessive near join   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:49 |
| L7    | 0    | each same node same<br>establish same<br>membership                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:52 |
| L8    | 1    | controlling same joins<br>same leaves and<br>handshaking              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:55 |
| L9    | 2    | controlling same joins<br>same leaves and<br>handsha\$5               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:55 |
| L10   | 0    | excessive same joins<br>same leaves and<br>handsha\$5                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | ON      | 2010/11/21<br>20:56 |

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| L11 | 4684 | excessive same join  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:56 |
| L12 | 457  | l11 and key  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:56 |
| L13 | 5    | l12 and re\$key  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:56 |
| L14 | 11   | excessive near join  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:58 |
| L15 | 126  | excessive near4 join   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:58 |
| L16 | 15   | l15 and key  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:58 |
| L17 | 71   | limiting same joins<br>same leave and key  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>20:59 |
| S1  | 1    | secure near group<br>same key same<br>(computing or compute<br>or calculating or<br>calculated or calculate)<br>same identical | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:35 |
| S2  | 1    | identical near value<br>same secure near<br>group  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:36 |
| S3  | 0    | "10812607"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:40 |

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| S4  | 1     | "10/812607"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:40 |
| S5  | 1701  | handshak\$9 same node   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:41 |
| S6  | 162   | S5 and (identical or exact) same value  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:41 |
| S7  | 13    | S6 and hello near packet  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:41 |
| S8  | 11441 | ((calculating or calculate or computing or compute) same identical same values  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:44 |
| S9  | 11441 | ((calculating or calculate or computing or compute) same identical same values) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:44 |
| S10 | 0     | S9 and hello near packet  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:44 |
| S11 | 2     | S9 and hello same packet  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/14<br>16:45 |
| S12 | 0     | "108212607"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/15<br>10:26 |
| S13 | 0     | "10/8212607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/15<br>10:26 |

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| S14 | 0    | "10812607"                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:27 |
| S15 | 1    | "10/812607"                                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:27 |
| S16 | 601  | authent\$9 same number near3 node           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:30 |
| S17 | 25   | authent\$9 same number near3 node same hash | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:30 |
| S18 | 1138 | (713/171).ccls.                             | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:37 |
| S19 | 11   | S18 and node same hash same number          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:37 |
| S20 | 184  | sgk and nodes                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:40 |
| S21 | 1    | S20 and handshak\$9                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:41 |
| S22 | 1    | S20 and hash                                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:41 |
| S23 | 236  | authenticating near node                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:42 |

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| S24 | 65  | S23 and hash  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:42 |
| S25 | 25  | S23 and hash same two same value                                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:43 |
| S26 | 1   | node same prove same multicast same membership                      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:46 |
| S27 | 1   | node same prove same (broadcast\$8 or multicast\$5) same membership | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:46 |
| S28 | 462 | node same (broadcast \$8 or multicast\$5) same membership           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:47 |
| S29 | 71  | S28 and hash  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:47 |
| S30 | 0   | seucure same distribut \$9 same between same nodes                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:56 |
| S31 | 598 | secure same distribut \$9 same between same nodes                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:56 |
| S32 | 185 | S31 and hash  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:56 |
| S33 | 145 | S32 and authent\$9 same node  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:57 |

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| S34 | 112   | S33 and (multicast\$9 or broadcast\$9)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:57 |
| S35 | 82    | S34 and group same members  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 10:59 |
| S36 | 21110 | group near3 key   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:16 |
| S37 | 0     | S36 and node same verify same knows near3 (group near3 key)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:17 |
| S38 | 12    | S36 and node same verify same (group near3 key)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:18 |
| S39 | 6     | S38 and (member or membership) same group   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:20 |
| S40 | 116   | (verifying or verify) same node same (member or participant or membership or belongs or belonging) same group | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:26 |
| S41 | 27    | S40 and group near4 key   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 11:26 |
| S42 | 3     | (one\$way or hash) same handshake same node same challenge  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 13:38 |
| S43 | 28    | (one\$way or hash) same handshake same node   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/15 13:39 |

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| S44 | 9       | (one\$way or hash)<br>same handshaking<br>same node | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/15<br>13:42 |
| S45 | 5041960 | secure near hash value                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/15<br>13:50 |
| S46 | 150     | secure near hash near<br>value                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/15<br>13:50 |
| S47 | 1142    | (713/171).cols.                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/04/23<br>21:46 |
| S48 | 3678    | open same shortest<br>same path same first          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/09/28<br>22:32 |
| S49 | 315     | S48 and hello same<br>packet                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/09/28<br>22:32 |
| S50 | 172     | S49 and ((one same<br>way) or hash)                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/09/28<br>22:33 |
| S51 | 78      | S50 and (key or<br>password)                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/09/28<br>22:34 |
| S52 | 3       | "20030226017"                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/10/09<br>11:01 |
| S53 | 0       | "10812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/10/09<br>11:06 |

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| S54 | 1    | "10/812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/10/09<br>11:06 |
| S55 | 1266 | (713/171).cols.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/10/09<br>16:43 |
| S56 | 1    | 10/812607  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>23:43 |
| S57 | 0    | "10812607"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>23:43 |
| S58 | 1    | "10/812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>23:43 |
| S59 | 2    | elapsed same time<br>same number and<br>nodes and handshak\$8<br>and symmetric near<br>key and group same<br>member and<br>((challenge or nonce)<br>same (group or node))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>23:49 |
| S60 | 20   | US-5442637-\$ DID OR<br>US-5517622-\$ DID OR<br>US-5768527-\$ DID OR<br>US-5931916-\$ DID OR<br>US-6105064-\$ DID OR<br>US-6212558-\$ DID OR<br>US-6246666-\$ DID OR<br>US-6269099-\$ DID OR<br>US-6725281-\$ DID OR<br>US-6992982-\$ DID. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:38 |
| S61 | 0    | S60 and hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:38 |

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| S62 | 14    | US-5517622-\$ DID. OR<br>US-5768527-\$ DID. OR<br>US-5878056-\$ DID. OR<br>US-5931916-\$ DID. OR<br>US-6105064-\$ DID. OR<br>US-6212558-\$ DID. OR<br>US-20020035594-\$ DID. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:39 |
| S63 | 0     | S62 and hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:40 |
| S64 | 0     | S62 and handshak\$5  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:40 |
| S65 | 56604 | 709/232 709/231<br>714/748 709/239<br>709/224 709/221<br>709/203   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:41 |
| S66 | 58681 | 709/232 709/231<br>714/748 709/239<br>709/224 709/221<br>709/203 713/171   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:42 |
| S67 | 2506  | S66 and handshak\$8  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:42 |
| S68 | 518   | S67 and hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:42 |
| S69 | 515   | S68 and (elapsed or<br>itime or number or<br>sequence)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:43 |
| S70 | 299   | S69 and node   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:43 |
| S71 | 348   | S69 and (node or peer)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>13:44 |

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| S72 | 310   | S71 and (calculat\$5 or computing or compute)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:45 |
| S73 | 152   | S72 and (challenge or nonce)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:47 |
| S74 | 86    | S73 and ((public or symmetric) same key)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:47 |
| S75 | 8     | S74 and ((challenge or nonce) same (calculat\$6 or compute or computing) same (hash or (one same way)) same value) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:54 |
| S76 | 10319 | time same handshak\$8  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:59 |
| S77 | 349   | S76 and hello  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 13:59 |
| S78 | 1     | decrease same time same key same regeneration same increase same security  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:01 |
| S79 | 38    | decrease same time same key same regeneration  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:01 |
| S80 | 1     | S79 and handshak\$8  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:01 |
| S81 | 567   | time same key same regeneration  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:02 |

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| S82 | 0     | S81 and handsak\$8   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:02 |
| S83 | 9     | S81 and handshak\$8  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:02 |
| S84 | 4     | S83 and hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:05 |
| S85 | 4     | S84 and (elapse or<br>time or expire or<br>expiration or expiring)                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:07 |
| S86 | 2     | S85 and time same<br>handshake   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:10 |
| S87 | 60905 | 709/232 709/231<br>714/748 709/239<br>709/224 709/221<br>709/203 713/171<br>380/44                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:12 |
| S88 | 20    | determine near<br>membership and<br>handshak\$9  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:13 |
| S89 | 473   | handshake same time<br>same node   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:15 |
| S90 | 68    | S89 and hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:15 |
| S91 | 25    | two same node same<br>authent\$9 same values<br>same (hash or (one<br>same way)) and (group<br>same key) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>14:23 |

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| S92  | 1     | two same node same authent\$9 same values same (hash or (one same way)) and (group near key) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:29 |
| S93  | 11328 | (group near key)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:29 |
| S94  | 357   | S93 and (handshake or nonce)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:29 |
| S95  | 10    | S94 and authent\$9 same values same value and secure near hash                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:30 |
| S96  | 160   | group near key and secure near hash  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:32 |
| S97  | 17    | S96 and handshake  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:32 |
| S98  | 176   | hash same (group near key)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:37 |
| S99  | 11    | S98 and handshake  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 14:37 |
| S100 | 0     | "10812607"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 16:28 |
| S101 | 1     | "10/812607"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/21 16:29 |

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| S102 | 3    | "20020150250"                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>18:26 |
| S103 | 2    | "20020152299"                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>18:26 |
| S104 | 11   | excessive near joins                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:10 |
| S105 | 4628 | excessive same joins                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:10 |
| S106 | 10   | S105 and group near key                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:11 |
| S107 | 0    | S106 and handshakk\$5                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:13 |
| S108 | 1    | S106 and handshak\$5                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:13 |
| S109 | 578  | burst same handshak \$9                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:14 |
| S110 | 2    | S109 and group near key                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:14 |
| S111 | 4374 | (handshak\$9 same (period\$8 or fixed or fix)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:31 |

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| S112 | 784  | (handshak\$9 near5<br>(period\$8 or fixed or<br>fix))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:31 |
| S113 | 388  | (handshak\$9 near2<br>(period\$8 or fixed or<br>fix))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:31 |
| S114 | 134  | S113 and key   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:31 |
| S115 | 18   | S114 and hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/21<br>19:32 |
| S116 | 2    | "20020152299"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>07:54 |
| S117 | 2405 | 713/171  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>08:10 |
| S118 | 1    | deletes same stored<br>same password same<br>decrypted same data<br>same disconnected  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>17:33 |
| S119 | 2    | delet\$6 same stored<br>same password same<br>decrypted same data<br>same disconnected   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>17:33 |
| S120 | 2    | delet\$6 same stored<br>same password same<br>data same<br>disconnected  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>17:34 |
| S121 | 175  | ((remove or removing<br>or delet\$6) same<br>stored same password<br>same data same<br>(connection or<br>disconnect or<br>disconnected)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>17:35 |

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| S122 | 67    | S121 and printer  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:35 |
| S123 | 6     | disconnect\$5 same delete same data same (portable same device) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:38 |
| S124 | 71    | disconnect\$5 same delete same data same (storage same device)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:39 |
| S125 | 24    | S124 and printer  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:39 |
| S126 | 43648 | (disconnect\$5 same (delet\$5 or remov\$5) same device)         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:41 |
| S127 | 2258  | S126 and printer  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:41 |
| S128 | 665   | S127 and usb  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:41 |
| S129 | 161   | S128 and password   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:42 |
| S130 | 54    | S128 and ((delet\$9 or remov\$9) same password)                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 17:42 |
| S131 | 43648 | (disconnect\$5 same (delet\$5 or remov\$5) same device)         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 19:37 |

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| S132 | 2258 | S131 and printer                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:37 |
| S133 | 665  | S132 and usb  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:37 |
| S134 | 54   | S133 and ((delet\$9 or<br>remov\$9) same<br>password) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:37 |
| S135 | 12   | S134 and clean\$7                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:37 |
| S136 | 2    | S134 and clean\$7 same<br>password                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:38 |
| S137 | 1    | "11691733"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>19:45 |
| S138 | 0    | "10812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/06<br>20:13 |
| S139 | 1    | "10/812607"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/06<br>20:13 |
| S140 | 2    | "20050086481"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/06<br>20:14 |
| S141 | 0    | "10812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:40 |

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| S142 | 1     | "10/812607"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:40 |
| S143 | 548   | node same hello same time  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:40 |
| S144 | 37239 | S143 and node same adjacent smae handshak\$5   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:44 |
| S145 | 5     | S143 and node same adjacent same handshak\$5   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:44 |
| S146 | 1     | S145 and challenge   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:46 |
| S147 | 10    | ( node same challenge same adjacent same (value or number) and (hash or one near way)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:47 |
| S148 | 17    | ( node same challenge same adjacent and (hash or one near way))                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:49 |
| S149 | 1292  | ( node same challenge and (hash or one near way))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:50 |
| S150 | 48    | S149 and hello   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:50 |
| S151 | 48    | S150 and (hash or (one near way))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>17:51 |

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| S152 | 15   | S151 and handshak\$9  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 17:51 |
| S153 | 22   | node and hello and (hash or one near way) and handshak\$9 and (value or number) and key and (time or timestamp) and ospf                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 17:53 |
| S154 | 1    | node and hello and (hash or one near way) and handshak\$9 and (value or number) and key and (time or timestamp) and ospf and group near key | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 17:54 |
| S155 | 28   | node and ospf and group near key  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 17:57 |
| S156 | 4    | S155 and challenge  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 17:58 |
| S157 | 4131 | node and ospf   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 18:00 |
| S158 | 524  | S157 and challenge  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 18:00 |
| S159 | 89   | S158 and handshak\$9  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 18:01 |
| S160 | 15   | S159 and hello  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 18:02 |
| S161 | 8    | S160 and key  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/21 18:03 |

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| S162 | 5506 | ospf                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>18:04 |
| S163 | 295  | S162 and handshak\$9       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>18:04 |
| S164 | 27   | S163 and hello and key     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>18:04 |
| S165 | 35   | S162 and group near<br>key | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2010/11/21<br>18:06 |

11/21/2010 9:36:45 PM

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